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## What is claimed is:

1. A method of mapping color space with chromatic formulations, comprising the steps of:

- (a) selecting a limited number of chromatics for use with a bulk material using selection criteria;
- (b) formulating the selected chromatics with white or black in the bulk material to generate a plurality of chromatic formulations, wherein such plurality of chromatic formulations populate a desirable volume of color space; and
- (c) computing additional chromatic formulations using algorithms reflecting the contributions of chromatics, white, and black to color, and incremental substitutions thereof.

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- 2. The method of Claim 1, wherein the algorithms comprise:
  - (i) predictions based on variation of black with white;
- (ii) predictions based on variation of two different chromatics with white;

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- (iii) predictions based on variation of both black and chromatic with white; and
- (iv) predictions based on variation of two different chromatics with white.

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- 3. The method of Claim 2, optionally including
- (d) generating a database of chromatic formulations containing chromatic formulations for generated nodes, chromatic formulations for computed nodes, or both.

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- 4. The method of Claim 3, optionally including
- (e) matching spectral data curves from an actual or virtual object with one or more of the chromatic formulations stored in the database.
- 5 5. The method of Claim 4, optionally including
  - (f) communicating the results of spectral data curve matching to a person seeking to match color for the actual or virtual object, wherein the results comprises one or more choices.
- 10 6. The method of Claim 5, optionally including
  - (g) receiving an instruction by a person to whom the results were communicated in step (f) as to which choice of color match, if any, is selected.
    - 7. The method of Claim 6, optionally including
- 15 (h) ordering the chromatic formulation correlated to the color match selected in step (g) to be prepared for use with a bulk material.
  - 8. The method of Claim 7, optionally including
- (i) mixing the selected chromatic formulation with another material
  compatible with the bulk material for use with the bulk material to provide color for the bulk material.
  - A chromatic formulation computed according to the method of any of Claims 1-8.

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- 10. A method of predicting chromatic formulations in color space for a bulk material, comprising the steps of:
- (1) selecting chromatic formulations via empirical evidence to create generated nodes in color space, and

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(2) applying algorithms derived from such generated nodes to create computed nodes of chromatic formulations in color space, wherein the algorithms comprise:

- (i) predictions based on variation of black with white;
- (ii) predictions based on variation of two different chromatics with white;
  - (iii) predictions based on variation of both black and chromatic with white; and
- (iv) predictions based on variation of two different chromatics with white.
  - 11. The method of Claim 10, wherein the predictions of step (2) result in actual chromatic formulations with virtual color space spectral data curves.

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12. A computed node of a chromatic formulation in color space made according to the method of either of Claims 10 or 11.

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